

SUBSTITUTE FOR FORM IPC/SB/08  INFORMATION DISCLOSURE STATEMENT LIST OF DOCUMENTS CITED BY APPLICANT								ATTY DOCKET NO: FRANCH=4B		SERIAL NO: 10/593,868					
								FIRST INVENTOR: FRANCH, Thomas							
								FILING DATE: September 22, 2006							
U.S. PATENT DOCUMENTS (include at least patentee, patent number and issue date)															
EXAMINER INITIAL		DOCUMENT NUMBER						DATE	PATENTEE		FILING DATE IF APPROP.				
	AA	6	4	2	9	3	0	0	Aug 6, 2002	Kurz, M et al.					
	AB	6	2	0	7	4	4	6	Mar 27, 2001	Szostak, J et al.					
	AC	6	1	4	3	5	0	3	Nov 7, 2000	Baskerville, DS et al.					
	AD	6	6	2	0	5	8	7	Sept 16, 2002	Taussig, MJ et al.	May 28, 1998				
	AE	20	03	00	04	1	2	2	Jan 2, 2003	Beigelman et al.	April 4, 2001				
	AF	6	5	9	3	0	8	8	Jul 15, 2003	Saito, I et al.	Aug 24, 2000				
	AG	5	5	7	1	9	0	3	Nov 5, 1991	Gryaznov, SM et al.					
	AH	5	4	7	6	9	3	0	Dec 19, 1995	Letsinger, RL et al.					
	AI	5	6	8	1	9	4	3	Oct 28, 1997	Letsinger, RL et al.					
	AJ	5	7	8	0	6	1	3	Jul 14, 1998	Letsinger, RL et al.					
	AK	5	7	4	1	6	4	3	Apr 21, 1998	Gryaznov, SM et al.					
	AL	5	8	3	0	6	5	8	Nov 3, 1998	Gryaznov, SM et al.					
	AM	5	8	4	3	6	5	0	Dec 1, 1998	Segev, D					
	AN	5	5	0	3	8	0	5	Apr 2, 1993	Sugarman et al.					
	AO	5	6	3	9	6	0	3	Jun 17, 1997	Dower et al.					
	AP	5	6	6	5	9	7	5	Sep 9, 1997	Kedar et al.					
	AQ	5	7	0	8	1	5	3	Jan 13, 1998	Dower et al.					
	AR	5	7	7	0	3	5	8	Jun 23, 1998	Dower et al.					
	AS	5	7	8	9	1	6	2	Aug 4, 1998	Dower et al.					
	AT	6	0	5	6	9	2	6	May 2, 2000	Sugarman et al.	July 23, 1996				
	AU	6	1	4	0	4	9	3	Oct 31, 2000	Dower et al.	Sept 11, 1998				
	AV	6	1	4	3	4	9	7	Nov 2, 2000	Dower et al.	Mar 6, 1998				
	AW	6	1	6	5	7	1	7	Dec 26, 2000	Dower et al.	May 13, 1998				
	AX	6	1	6	5	7	7	8	Dec 26, 2000	Kedar et al.	Jul 2, 1998				
	AY	6	4	1	6	9	4	9	July 9, 2002	Dower et al.	Feb 24, 1999				
	AZ	5	5	7	3	9	0	5	Nov. 12, 1996	Lerner, RL et al.					
	BA	5	7	2	3	5	9	8	Mar 3, 1998	Lerner, RL et al.					
	BB	6	0	6	0	5	9	6	May 9, 2000	Lerner, R et al.	Mar 3, 1998				
	BC	4	8	2	2	7	3	1	April 18, 1989	Watson et al.					
	BD	6	2	9	7	0	5	3	October 2, 2001	Stemmer					
	BE	20	05	00	25	7	6	6	February 2, 2005	Liu et al.					
	BF	20	05	00	42	6	6	9	February 24, 2005	Liu et al.					
	BG	20	05	00	42	6	6	9	Published 24 February 2005	Liu, David R					
	BH	20	05	00	25	7	6	6	Published 3 February 2005	Liu, David R					
	BI	20	05	14	2	5	8	3	30 June 2005	Liu, David R					
	BJ	20	05	17	0	3	7	6	4 Aug 2005	Liu, David R					
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		DOCUMENT NUMBER						DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION YES/NO			
	BK	9	3	0	3	1	7	2	18 Feb 1993	PCT					
	BL	9	8	3	1	7	0	0	23 July 1998	PCT					
	BM	0	0	3	2	8	2	3	8 June 2000	PCT					
	BN	0	0	4	7	7	7	5	17 Aug 2000	PCT					
	BO	9	0	0	5	7	8	5	31 May 1990	PCT					
	BP	0	3	2	4	6	1	6	19 July 1989	EP					
	BQ	9	6	3	5	6	9	9	14 Nov 1996	PCT					
	BR	0	6	9	5	3	0	5	27 October 1994	EP					
	BS	0	0	6	1	7	7	5	19 October 2000	PCT					
	BT	0	6	0	4	5	5	2	1 April 1993	EP					
	BU	9	5	1	2	6	0	8	11 May 1995	PCT					
	BV	0	7	7	3	2	2	7	14 May 1997	EP					
	BW	0	7	7	6	3	3	0	4 October 1996	EP					
	BX	0	6	4	3	7	7	8	14 Oct. 1993	EP					
	BY	0	0	2	3	4	5	8	27 April 2000	PCT					
	BZ	0	2	0	7	4	9	29	26 Sept 2002	PCT					
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	CC	0	1	0	0	8	7	6	4 Jan. 2001	PCT					
	CD	9	6	1	2	0	1	4	25 April 1996	PCT					
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	TM <sub>2</sub>	02	1	0	2	8	2	0	27 Dec 2002	PCT					
	TM <sub>3</sub>	03	0	7	8	6	2	5	25 Sept 2003	PCT					
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	TM <sub>16</sub>	03	0	7	8	4	4	6	25 Sept 2003	PCT					
	TM <sub>17</sub>	03	0	7	8	6	2	7	25 Sept 2003	PCT					
	TM <sub>18</sub>	20	04	07	4	5	0	1	2 Sept 2004	PCT					
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	TM 19	20	04	07	4	4	2	9	2 Sept 2004	PCT							
	TM 20	20	04	08	3	4	2	7	30 Sept 2004	PCT							
	TM 21	1	5	3	3	3	8	5	25 May, 2005	EP							
	TM 22	20	05	00	3	7	7	8	13 Jan 2005	PCT							
	TM 23	20	04	03	9	8	2	5	13 May 2004	PCT							
	TM 24	20	05	02	6	3	8	7	24 March 2005	PCT							
	CE	20	04	09	9	4	4	1	18 Nov 2004	PCT							
	CF	03	0	8	2	9	0	1	9 Oct 2003	PCT							
	CG	9	1	0	5	0	5	8	18 April 1991	PCT							
	CH	9	6	0	9	3	1	6	March 28, 1996	PCT							
	CI	0	0	2	1	9	0	9	April 20, 2000	PCT							
	CK	9	9	5	1	7	7	3	Oct 14 1999	PCT							
	CL	20	06	04	8	0	2	5	11 May 2006	PCT							
	GS	20	06	05	3	5	7	1	26 May 2006	PCT							
	ISR1	9	5	0	4	1	6	0	9 Feb. 1995	PCT							
OTHER DOCUMENTS (include author, title, name of publication, volume, pages & date of publication)																	
	CM	Nemoto, N et al. "In vitro virus: bonding of mRNA bearing puromycin at the 3'-terminal end to the C-terminal end of its encoded protein on the ribosome in vitro". FEBS Lett. 1997 Sep 8;414(2):405-8.															
	CN	Roberts, RW et al. "RNA-peptide fusions for the in vitro selection of peptides and proteins". Proc Natl Acad Sci U S A. 1997 Nov 11;94(23):12297-302.															
	CO	Kurz, M et al. "An efficient synthetic strategy for the preparation of nucleic acid-encoded peptide and protein libraries for in vitro evolution protocols" Fourth International Electronic Conference on Synthetic Organic Chemistry (ECSOC-4), www.mdpi.org/ecsoc-4.htm, September 1-30, 2000															
	CP	Kurz, M et al. "Psoralen photo-crosslinked mRNA-puromycin conjugates: a novel template for the rapid and facile preparation of mRNA-protein fusions. Nucleic Acids Res. 2000 Sep 15;28(18):E83.															
	CQ	Keiler et al. "Role of a peptide tagging system in degradation of proteins synthesized from damaged messenger RNA". Science. 1996 Feb 16;271(5251):990-3.															
	CR	Benner, SA. "Expanding the genetic lexicon: incorporating non-standard amino acids into proteins by ribosome-based synthesis". Trends Biotechnol. 1994 May;12(5):158-63															
	CS	Mendel, D." Site-directed mutagenesis with an expanded genetic code". Annu. Rev. Biophys. Biomol. Struc. 1995. 24:463-93															
	CT	Liu DR et al. "Engineering a tRNA and aminoacyl-tRNA synthetase for the site-specific incorporation of unnatural amino acids into proteins in vivo". Proc Natl Acad Sci U S A. 1997 Sep 16;94(19):10092-7.															
	CU	Liu DR et al. "Progress toward the evolution of an organism with an expanded genetic code". Proc Natl Acad Sci USA. 1999 Apr 27;96(9):4780-5															
	CV	Liu, R et al. "Optimized synthesis of RNA-protein fusions for in vitro protein selection". Methods Enzymol. 2000;318:268-93.															
	CW	Wang, L et al. "A new functional suppressor tRNA/aminoacyl-tRNA synthetase pair for the in vivo incorporation of unnatural amino acids into proteins" J. Am. Chem. Soc 2000, 122, 5010-5011 Pub 5 April 2000															
	CX	Ellman J.A., et al. " Biosynthetic method for introducing Unnatural Amino acids site specifically into proteins". Methods Enzymol. 202, 301-336 (1992)															
	CY	José Salas et al. " Biosynthetic Polydeoxynucleotides as Direct Templates for Polypeptide Synthesis". J. of Biological Chemistry, vol.243, No. 6, 1968, p. 1012-1015															
	CZ	Walder JA, Walder RY, Heller MJ, Freier SM, Letsinger RL, Klotz IM. "Complementary carrier peptide synthesis: general strategy and implications for prebiotic origin of peptide synthesis". Proc Natl Acad Sci U S A. 1979 Jan;76(1):51-5.															
	DA	Bruick et al. "Template-directed ligation of peptides to oligonucleotides" Chemistry and Biology, vol. 3, No. 1, January 1996, p.49-56;															
	DB	Tamura K, Schimmel P. "Oligonucleotide-directed peptide synthesis in a ribosome- and ribozyme-free system". Proc Natl Acad Sci U S A. 2001 Feb 13;98(4):1393-7.															
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<b>OTHER DOCUMENTS (include author, title, name of publication, volume, pages and date of publication)</b>			
DC	Lewis RJ, Hanawalt PC. "Ligation of oligonucleotides by pyrimidine dimers--a missing 'link' in the origin of life?" 22;298(5872):393-6.		
DD	Liu J, Taylor JS. "Template-directed photoligation of oligodeoxyribonucleotides via 4-thiothymidine". Nucleic Acids Res. 1998 Jul 1;26(13):3300-4		
DE	Fujimoto et al. "Template-directed photoreversible ligation of deoxyoligonucleotides via 5-Vinyldeoxyuridine" J. Am. Soc. 2000, 122, 5646-5647		
DF	Kenzo Fujimoto, Shigeo Matsuda, Naoki Ogawa, Masayuki Hayashi & Isao Saito "Template-directed reversible photocircularization of DNA via 5-vinyldeoxycytidine". TETRAHEDRON LETTERS 2000 , 41:33:6451-6454		
DG	Kenzo Fujimoto, Naoki Ogawa, Masayuki Hayashi, Shigeo Matsuda & Isao Saito "Template directed photochemical synthesis of branched oligodeoxynucleotides via 5-carboxyvinyldeoxyuridine". Tetrahedron letters 2000, 41:49:9437-40		
DH	Letsinger et al. "Chemical Ligation of oligonucleotides in the presence and absence of a template". J. Amer. Chem. Soc. 1993, 115, 3808-9		
DI	Gryaznov SM, Letsinger RL. "Template controlled coupling and recombination of oligonucleotide blocks containing thiophosphoryl groups". Nucleic Acids Res. 1993 Mar 25;21(6):1403-8		
DJ	Gryaznov SM, Schultz R, Chaturvedi SK, Letsinger RL. "Enhancement of selectivity in recognition of nucleic acids via chemical autoligation". Nucleic Acids Res. 1994 Jun 25;22(12):2366-9.		
DK	Herrlein MK, Letsinger RL. "Selective chemical autoligation on a double-stranded DNA template". Nucleic Acids Res. 1994 Nov 25;22(23):5076-8		
DL	Letsinger, RL; Wu, T; Elghanian, R "Chemical and photochemical ligation of oligonucleotide blocks". Nucleosides and nucleotides, 16(5&6), 643-652 (1997)		
DM	Visscher J, Schwartz AW "Template-directed synthesis of acyclic oligonucleotide analogues". J Mol Evol. 1988 Dec;1989 Feb;28(1-2):3-6.		
DN	Visscher J, Bakker CG, van der Woerd R, Schwartz AW "Template-directed oligomerization catalyzed by a polynucleotide analog". Science. 1989 Apr 21;244(4902):329-31.		
DO	Visscher J, van der Woerd R, Bakker CG, Schwartz AW. "Oligomerization of deoxynucleoside-bisphosphate dimers: template and linkage specificity". Orig Life Evol Biosph. 1989;19(1):3-6.		
DP	Zhan, ZJ and Lynn, DG "Chemical Amplification through template-directed synthesis". J. Am. Chem. Soc. 1997, 119, 12420-1		
DQ	Bruick RK, Koppitz M, Joyce GF, Orgel LE. "A simple procedure for constructing 5'-amino-terminated oligodeoxynucleotides in aqueous solution Nucleic Acids Res". 1997 Mar 15;25(6):1309-10		
DR	Albagli, D; Atta, RVA; Cheng, P; Huan, B and Wood, ML. "Chemical amplification (CHAMP) by a continuous, self-replicating oligonucleotide-based system" J. Am. Chem. Soc. 1999, 121, 6954-6955. Pub. on the web 14 July 1999.		
DS	Xu, Y and Kool, E "Rapid and Selective selenium-mediated autoligation of DNA strands" J. Am. Chem. Soc. 2000, 122, 9040-1 Pub. on web 08/31/2000.		
DT	Xu Y, Karalkar NB, Kool ET. "Nonenzymatic autoligation in direct three-color detection of RNA and DNA point mutations". Nat Biotechnol. 2001 Feb;19(2):148-52.		
DU	Li X, Zhan ZY, Knipe R, Lynn DG. "DNA-catalyzed polymerization". J Am Chem Soc. 2002 Feb 6;124(5):746-7.		
DV	Czlapinski, JL and Sheppard, TL. "Nucleic acid template-directed assembly of metallosalen-DNA conjugates". J Am Chem Soc. 2001 Sep 5;123(35):8618-9 published on the web 08/10/2001		
DW	Leitzel JC, Lynn DG "Template-directed ligation: from DNA towards different versatile templates". Chem Rec. 2001;1(1):53-62. Published online 30 Jan 2001.		
DX	Schmidt JG, Nielsen PE, Orgel LE. "Information transfer from DNA to peptide nucleic acids by template-directed syntheses". Nucleic Acids Res. 1997 Dec 1;25(23):4792-4796.		
DY	DOWER, WJ et al. "In vitro selection as a powerful tool for the applied evolution of proteins and peptides". Current Opinion in Chemical Biology, 2002, 6:390-398.		
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	DZ	Brenner, S and Lerner, RA . "Encoded combinatorial chemistry" Proc. Natl. Acad. Sci. USA. Vol 89, p 5381-3, June 1992.	
	EA	Gartner, Z; Liu, DR "The generality of DNA-templated synthesis as a basis for evolving non-natural small molecules". J Am Chem Soc. 2001 Jul 18;123(28):6961-3.	
	EB	David Liu. "Expanding the reaction scope of DNA-templated synthesis Angew". Chem. Int. Ed. 2002, 41, No. 10 pp. 1796-1800. Published May 15, 2002.	
	EC	Gartner, ZJ et al. "Multistep small-molecule synthesis programmed by DNA templates". J. AM. CHEM. SOC. Vol. 124, No. 35, 2002, 10304-10306.	
	ED	Calderone, CT et al. "Directing otherwise incompatible reactions in a single solution by using DNA-templated organic synthesis". Angew Chem Int Ed, 2002, 41, No. 21. 4104-4108.	
	EE	Bittker, JA; Phillips, KJ and Liu, DR "Recent advances in the in vitro evolution of nucleic acids". Curr Opin Chem Biol. 2002 Jun;6(3):367-74. Review. Pub. on the web 20 <sup>th</sup> March 2002.	
	EF	Summerer,D and Marx, A "DNA-templated synthesis: more versatile than expected". Angew Chem Int Ed Engl. 2002 Jan 4;41(1):89-90. Review.	
	EG	Gartner, ZJ et al. "Two enabling architectures for DNA-templated organic synthesis ". Angew. Chem Int. Ed. 2003, 42, No. 12, 1370-1375.	
	EH	Rosenbaum, DM et al. "Efficient and sequence-specific DNA-templated polymerization of peptide nucleic acid aldehydes". J. AM. CHEM. SOC. Vol. 125, No. 46, 2003, 13924-13925.	
	EI	Li, X et al. "Stereoselectivity in DNA-templated organic synthesis and its origins". J. AM. CHEM. SOC. Vol. 125, No. 34, 2003, 10188-10189.	
	EJ	Gordon, EM et al. "Applications of combinatorial technologies to drug discovery. 2. Combinatorial organic synthesis, library screening strategies, and future directions". Journal of Medicinal Chemistry, Vol. 37, No. 10, May 13, 1994.	
	EK	Otto, S et al. "Recent developments in dynamic combinatorial chemistry". Current opinion in Chemical Biology 2002, 6: 321-327.	
	EL	Pavia, MR. "The Chemical generation of molecular diversity". <a href="http://www.netsci.org/Science/Combichem/feature01.html">http://www.netsci.org/Science/Combichem/feature01.html</a>	
	EM	Braun, E, et al. "DNA-templated assembly and electrode attachment of a conducting silver wire". Nature, Vol. 391, 19 February 1998, 775-778.	
	EN	Tanaka, K et al. "Synthesis of a novel nucleoside for alternative DNA base pairing through metal complexation" J. Org. Chem. 1999, 64, 5002-5003.	
	EO	Beger, M et al. "Universal bases for hybridization, replication and chain termination", Nucleic acids research, Oxford University Press, vol. 28, no. 15, pub. 1 Aug. 2000, p2911-2914.	
	EP	Weizman, H et al. "2,2'-Bipyridine ligandoside: a novel building block for modifying DNA with intra-duplex metal complexes". J. Am. Chem. Soc. 2001, 123, 3375-3376.	
	EQ	Frutos, AG et al. "Demonstration of a word design strategy for DNA computing on surfaces". Nucleic Acids Research, 1997, Vol. 25, No. 23, 4748-4757.	
	ER	Loweth, CJ et al. "DNA-based assembly of gold nanocrystals". Angew. Chem. Int. Ed. 1999, 38, No. 12. 1808-1812.	
	ES	Elghanian, R et al. "Selective colorimetric detection of polynucleotides based on the distance-dependent optical properties of gold nanoparticles". Science, Vol. 277, 22 August 1997.	
	ET	Storhoff, JJ and Mirkin, CA. "Programmed Materials Synthesis with DNA". Chem Rev. 1999 Jul 14;99(7):1849-1862.	
	EU	Mirkin CA. "Programming the assembly of two- and three-dimensional architectures with DNA and nanoscale inorganic building blocks". Inorg Chem. 2000 May 29;39(11):2258-72.	
	EV	Waybright SM, Singleton CP, Wachter K, Murphy CJ, Bunz UH. "Oligonucleotide-directed assembly of materials: defined oligomers". J Am Chem Soc. 2001 Mar 7;123(9):1828-33. Pub. on web 02/07/2001.	
	EW	Bruce Smith and Markus Krummenacker "DNA-guided assembly of proteins as a pathway to an assembler", ( <a href="http://www.wadsworth.org/albcon97/abstract/krummena.htm">http://www.wadsworth.org/albcon97/abstract/krummena.htm</a> ): 1997 Albany Conference: Biomolecular Motors and Nanomachines	
	EX	DeWitt, SH et al. "Diversomers": an approach to nonpeptide, nonoligomeric chemical diversity". Proc. Natl. Acad. Sci. USA, Vol. 90, pp. 6909-6913, August 1993.	
	EY	Nielsen, J et al. "Synthetic methods for the implementation of encoded combinatorial chemistry". J. Am. Chem. Soc. 1993, 115, 9812-9813.	
	EZ	Ohlmeyer, MHJ et al. "Complex synthetic chemical libraries indexed with molecular tags". Proc. Natl. Acad. Sci. USA, Vol. 90, pp. 10922-10926, Dec. 1993, Chemistry.	
	FA	Zuckermann, RN et al. "Discovery of nanomolar ligands for 7-transmembrane G-protein-coupled receptors from a diverse N-(substituted) glycine peptoid library". J. Med. Chem. 1994, 37, 2678-2685.	
	FB	Luo, P et al. "Analysis of the structure and stability of a backbone-modified oligonucleotide: implications for avoiding product inhibition in catalytic template-directed synthesis". J. Am. Chem. Soc. 1998, 120, 3019-3031	
	FC	Luther, A et al. "Surface-promoted replication and exponential amplification of DNA analogues". Nature, Vol. 396, 19 November 1998, 245-248.	
	FD	Kiekota, B et al. "Selection of DNA-Binding Compounds via Multistage Molecular Evolution". Tetrahedron 55 (1999) 11687-11697.	
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FE	Furlan, RLE et al. "Molecular amplification in a dynamic combinatorial library using non-covalent interactions". Chem. Commun., 2000, 1761-1762.		
FF	Ramström, O et al. "In situ generation and screening of a dynamic combinatorial carbohydrate library against concanavalin A". ChemBioChem, 2000, 1, 41-48.		
FG	Cousins, GRL et al. "Identification and Isolation of a Receptor for N-Methyl Alkylammonium Salts: Molecular Amplification in a Pseudo-peptide Dynamic Combinatorial Library". Angew. Chem. Int. Ed., 2001, 40, No. 2, 423-427.		
FH	Roberts, SI et al. "Simultaneous selection, amplification and isolation of a pseudo-peptide receptor by an immobilised N-methyl ammonium ion template". Chem. Commun., 2002, 938-939.		
FI	Doyon, J.B et al. "Highly sensitive in vitro selections for DNA-linked synthetic small molecules with protein binding affinity and specificity" J. AM. CHEM. SOC, September 16, 2003.		
FJ	Kanan, M.W et al. "Reaction discovery enabled by DNA-templated synthesis and in vitro selection" Nature, Vol. 431, 30 September 2004.		
FK	"Finding reactions in a haystack: Try'em all, see what works" Meeting American Chemical Society, 10 September 2004, Vol. 305, Science.		
FL	"The Nucleus", January 2004, Vol. LXXXII, No. 5, R. Grubina; "Summer Research Report: R. Grubina on DNA Templatized Synthesis for Small Molecule Library", p10-14		
FM	Nazarenko et al., "A closed tube format for amplification and detection of DNA based on energy transfer", Nucleic Acids Research, 1997, Vol. 25, No. 12, p2516-2521		
FN	Chen et al., "Intra-tRNA distance measurements for nucleocapsid protein-dependent tRNA unwinding during priming of HIV reverse transcription", PNAS Vol. 96, p459-464, January 1999.		
FO	Liu DR ET AL., DNA-templated synthesis as a basis for the evolution of synthetic molecules, ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY; 225: 612-ORGN , Part 2, MAR 2003		
FP	Rodriguez et al., "Template-directed extension of a guanosine 5'-phosphate covalently attached to an oligodeoxycytidylate template", J Mol Evol (1991) 33:477-482		
FQ	Acevedo et al., "Template-directed oligonucleotide ligation on hydroxyapatite", Nature vol. 321, 19 June 1986, p790-792		
FR	Piccirilli, "RNA seeks its maker", Nature vol. 376, 17 August 1995, p548-		
FS	A. W. Schwartz et al., "Template-directed synthesis of novel, nucleic acid-like structures", Science 1985, 228, 585-7		
FT	Halpin et al.: DNA display III. Solid-phase organic synthesis on unprotected DNA. PLoS Biol. 2004 Jul;2(7):E175. Epub 2004 Jun 22.		
FU	Halpin et al.: DNA display II. Genetic manipulation of combinatorial chemistry libraries for small-molecule evolution. PLoS Biol. 2004 Jul;2(7):E174. Epub 2004 Jun 22.		
FV	Halpin et al.: DNA display I. Sequence-encoded routing of DNA populations. PLoS Biol. 2004 Jul;2(7):E173. Epub 2004 Jun 22		
FW	"Highly Sensitive In Vitro Selections for DNA-Linked Synthetic Small Molecules with Protein Binding Affinity and Specificity" Doyon, J. B.; Snyder, T. M.; Liu, D. R. J. Am. Chem. Soc. 125, 12372-12373 (2003).		
FX	"Translation of DNA into Synthetic N-Acyloxazolidinones" Li, X.; Gartner, Z. J.; Tse, B. N.; Liu, D. R. J. Am. Chem. Soc. 126, 5090-5092 (2004).		
FY	"DNA-Templated Organic Synthesis: Nature's Strategy for Controlling Chemical Reactivity Applied to Synthetic Molecules" Li, X.; Liu, D. R. Angew. Chem. Int. Ed. 43, 4848-4870 (2004).		
FZ	"DNA-Templated Organic Synthesis and Selection of a Library of Macrocycles" Gartner, Z. J.; Tse, B. N.; Grubina, R.; Doyon, J. B.; Snyder, T. M.; Liu, D. R. Science 305, 1601-1605 (2004).		
GA	"Nucleic Acid-Templated Synthesis as a Model System for Ancient Translation" Calderone, C. T. and Liu, D. R. Curr. Opin. Chem. Biol. 8, 645-653 (2004).		
GB	"DNA-Templated Functional Group Transformations Enable Sequence-Programmed Synthesis Using Small-Molecule Reagents" Sakurai, K.; Snyder, T. M.; Liu, D. R. J. Am. Chem. Soc. 127, 1660-1661 (2005).		
GC	"Translating DNA into synthetic Molecules", David R. Liu, PLoS Biology, July 2004, Vol 2, Iss. 7, p905-6.		
GD	"The Development of Amplifiable and Evolvable Unnatural Molecules", David R. Liu, Harvard Univ. Cambridge MA Dept of Chemistry and Chemical Biology, Report dated 4 Aug 2003 No. A104614, approved for public release.		
GE	Website of Prof. David R. Liu, publicly available 11 March 2000		
GF	Website of Prof. David R. Liu, publicly available 15 Oct 2000		
GG	Website of Prof. David R. Liu, publicly available 1 March 2001		
GH	Website of Prof. David R. Liu, publicly available 19 April 2001		
GI	Website of Prof. David R. Liu, publicly available 23 Sept 2001		
GJ	Website of Prof. David R. Liu, publicly available 24 Sept. 2002		
GK	Website of Prof. David R. Liu, publicly available 20 Nov 2002		
GL	Website of Prof. David R. Liu, publicly available 15 Oct 2003		
GM	Inoue et al., "Oligomerization of (Guanosine 5'-phosphor)-2-methylimidazolide on Poly(C), J. Mol. Biol. (1982), 162, 201-217		
GN	C. B. Chen et al., "Template-directed synthesis on Oligodeoxycytidylate and Polydeoxycytidylate templates" J. Mol. Biol. 1985, 181, 271		
GO	H. Rembold et al., "Single-strand regions of Poly(G) act as templates for oligo(C) synthesis" J. Mol. Evol. 1994, 38, 205.		
GP	T. Inoue et al., "A nonenzymatic RNA polymerase model", Science 1983, 219, p859-862		
GQ	O. L. Acevedo et al., "Non-enzymatic transcription of an oligonucleotide 14 residues long", J. Mol. Biol. 1987, 197, p187-193		
GR	C. Böhler et al., "Template switching between PNA and RNA oligonucleotides", Nature 1995, 376, 578-581		
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